

## WHAT IS CLAIMED IS:

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1. An apparatus for displaying local time information, comprising:  
means for storing Greenwich mean time (GMT) information for each of  
a plurality of cities;  
means for setting a reference time;  
means for counting a duration of time that elapses from when said  
reference time is set;  
means for selecting at least one of said plurality of cities and  
calculating a local time of said selected city, said local time being based on a  
10 difference between the GMT of said selected city and the GMT of a present location  
of said apparatus, said reference time and said elapsed time; and  
means for outputting said local time.
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2. The apparatus of claim 1, wherein said apparatus is a mobile  
telephone.
3. The apparatus of claim 1, wherein said reference time is set by  
a user of said apparatus.
4. The apparatus of claim 1, wherein said reference time is  
acquired from a signal received from a remote system.
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5. The apparatus of claim 2, wherein said reference time is a  
system time acquired from a sync channel message received by said mobile cellular  
phone from a base station of a CDMA (Code Division Multiple Access) cellular  
system.

5 6. In an apparatus having a display and a memory for storing Greenwich mean time (GMT) information for each of a plurality of cities, a method for generating local time information, comprising the steps of:

setting a reference time;

counting a time which elapses from said setting of said reference time;

selecting at least one of said plurality of cities;

calculating a local time of said selected city based on a difference between the GMT of said selected city and the GMT of a present location of said apparatus, said reference time and said elapsed time; and  
10 displaying said calculated local time.

7. The method of claim 6, further comprising the step of displaying a message to set a reference time if said step of setting a reference time does not occur.

15 8. The method of claim 6, wherein said step of selecting includes the substeps of:

displaying a list of said plurality of cities; and

scrolling through said list to select a desired one of said plurality of cities.

20 9. The method as claimed in claim 6, wherein said reference time is a time set by a user.

10. The method of claim 6, wherein said reference time is a system time acquired from a signal generated from a remote system and received by said apparatus.

11. The method of claim 6, wherein said apparatus is a mobile telephone.

12. The method of claim 11, wherein said reference time is a system time acquired from a sync channel message received from a base station of a CDMA cellular system.

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